

# Converting Colors

YUV(78.7160, -38.8070,  
127.4141)

Have a look what the booklet for  
YUV(78.7160, -38.8070, 127.4141)  
contains.

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# Color

**YUV(78.7160, -38.8070,  
127.4141)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E01400
RGB	224, 20, 0
RGB Percent	88%, 8%, 0%
CMY	0.1216, 0.9216, 1.0000
CMYK	0.00, 0.91, 1.00, 0.12
HSL	5°, 100%, 44%
HSV	5°, 100%, 88%
XYZ	30.9906, 16.3476, 1.5220
YIQ	78.7160, 128.0040, 37.0280

# Conversions

## Conversions Part 2

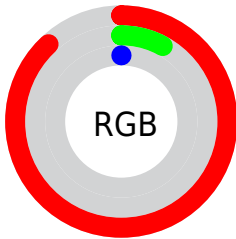
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 22, 0
Decimal	14685184
CIE <sub>Lab</sub>	47.43, 70.75, 61.18
CIE <sub>LCh</sub>	47, 93.530, 40.853
Yxy	16.3476, 0.6343, 0.3346
Android (android.graphics.Color)	4292875264 (0xFFE01400)
YUV	78.7160, -38.8070, 127.4141
Hunter-Lab	40.4322, 66.0611, 26.0706

# Details

The YUV color **78.7160, -38.8070, 127.4141** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **145.2840, 38.8070, -127.4141**, and the grayscale version is **79.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **138.3940, -40.6202, 102.2635**, and **47.2420, -23.2903, 97.1348** is the 20% darker color. If you saturate the color by 10%, you get **78.7160, -38.8070, 127.4141**, and if you desaturate by 10%, it is **92.9640, -34.9853, 114.9186**.

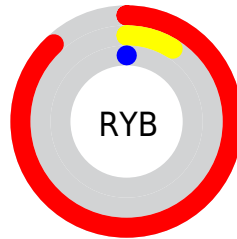
# Distribution



Red (88%)

Green (8%)

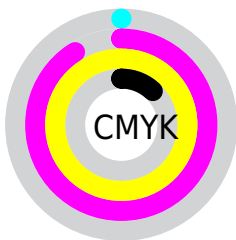
Blue (0%)



Red (88%)

Yellow (9%)

Blue (0%)

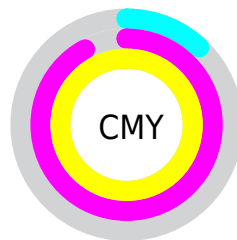


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (12%)



Cyan (12%)

Magenta (92%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the YUV color 78.7160, -38.8070, 127.4141 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 78.7160, -38.8070, 127.4141 by changing the saturation by 10% instead.





 78.7160, -38.8070,  
127.4141

 78.7160, -38.8070,  
127.4141


 253.7460, -4.8048,  
1.0998

 57.1090, -28.1547,  
117.4224


 138.3940,  
-40.6202, 102.2635

 47.2420, -23.2903,  
97.1348

 158.8540,  
-38.3820, 84.3200


 37.6740, -18.5733,  
77.4619


 178.7270,  
-35.8544, 66.8914

 28.3340, -12.9827,  
57.5891

 198.8280,  
-32.4532, 49.2628

 19.7770, -8.2711,  
39.6606

 219.4020,  
-29.7782, 31.2194

 9.0840, -3.9854,  
18.3433


 240.2040,


 0.0000, 0.0000,


-26.2296, 12.9761


0.0000


 250.4400,  
-17.4719, 3.9991


 78.7160, -38.8070,  
127.4141

 92.9640, -34.9853,  
114.9186

 107.9130,  
-31.0161, 101.8083

 122.1610,  
-27.1944, 89.3128

 137.1100,  
-23.2252, 76.2025

 151.3580,  
-19.4035, 63.7070

■ 165.6060,  
-15.5818, 51.2115

■ 180.5550,  
-11.6126, 38.1013

■ 194.8030, -7.7909,  
25.6058

■ 209.7520, -3.8217,  
12.4955

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6890, 2.6183, 140.5927



78.7160, -38.8070, 127.4141



105.1660, -51.8468, 62.9984

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.7160, -38.8070, 127.4141



88.5640, -16.0541, -77.6706



96.5750, 78.1035, -84.6963

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.7160, -38.8070, 127.4141



145.2840, 38.8070, -127.4141

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.9020, 72.0263, -95.5071



78.7160, -38.8070, 127.4141



99.9010, 19.7688, -87.6132

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.7160, -38.8070, 127.4141



78.6580, -38.7784, -68.9831



108.5650, 52.9655, -95.2115



111.1100, 60.5848, 27.9675



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7160, -38.8070, 127.4141



105.8210, -52.1698, 26.4670



108.5650, 52.9655, -95.2115



101.8580, 75.4990, -89.3295

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.7160, -38.8070, 127.4141



205.2460, -12.9393, 43.6343



90.3460, 56.5244, 117.2146



98.1020, -7.9383, 26.2205



0.0000, 0.0000, 0.0000



128.0000, 0.0000, 0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.7160, -38.8070, 127.4141



89.7460, -44.2448, 144.9278



143.8730, -70.9294, 70.2714



104.8760, -1.9109, 6.2477



62.0160, -30.5739, 99.9640



16.7000, -8.2331, 27.4501



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



145.2840, 38.8070, -127.4141



165.2540, 44.2448, -144.9278



80.1270, 70.9294, -70.2714



108.1240, 1.9109, -6.2477



113.9840, 30.5739, -99.9640



31.3000, 8.2331, -27.4501



# Previews

## White Background



This preview shows how the YUV color 78.7160, -38.8070, 127.4141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YUV color 78.7160, -38.8070, 127.4141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YUV 78.7160, -38.8070, 127.4141 Background



This preview shows how black text looks on a background with the YUV color 78.7160, -38.8070, 127.4141.



This preview shows how white text looks on a background with the YUV color 78.7160, -38.8070,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Protanopia

108.4960, -39.1915, 17.1050

### Deuteranopia

106.1530, -52.3334, 32.3148

### Tritanopia

79.2860, -36.6230, 126.9142

# Trichromacy



## Protanomaly

97.7490, -39.3163, 57.2251

## Deuteranomaly

96.0400, -47.3477, 66.6169

## Tritanomaly

79.0580, -37.4966, 127.1141

# Monochromacy



## Achromatopsia

79.0000, 0.0000, 0.0000

## Achromatomaly

79.2140, -14.4025, 46.2933

# CSS Examples

## Text

The CSS property to change the color of the text to YUV 78.7160, -38.8070, 127.4141 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 20, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 20, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 20, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 20, 0) }
```

## Border

The CSS property to change the border of an element to YUV 78.7160, -38.8070, 127.4141 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 20, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 20, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 20, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 20, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 20, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 20, 0)  
}
```



# Background

The CSS property to change the background color of an element to YUV 78.7160, -38.8070, 127.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 20, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224, 20,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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